

FIG. 1

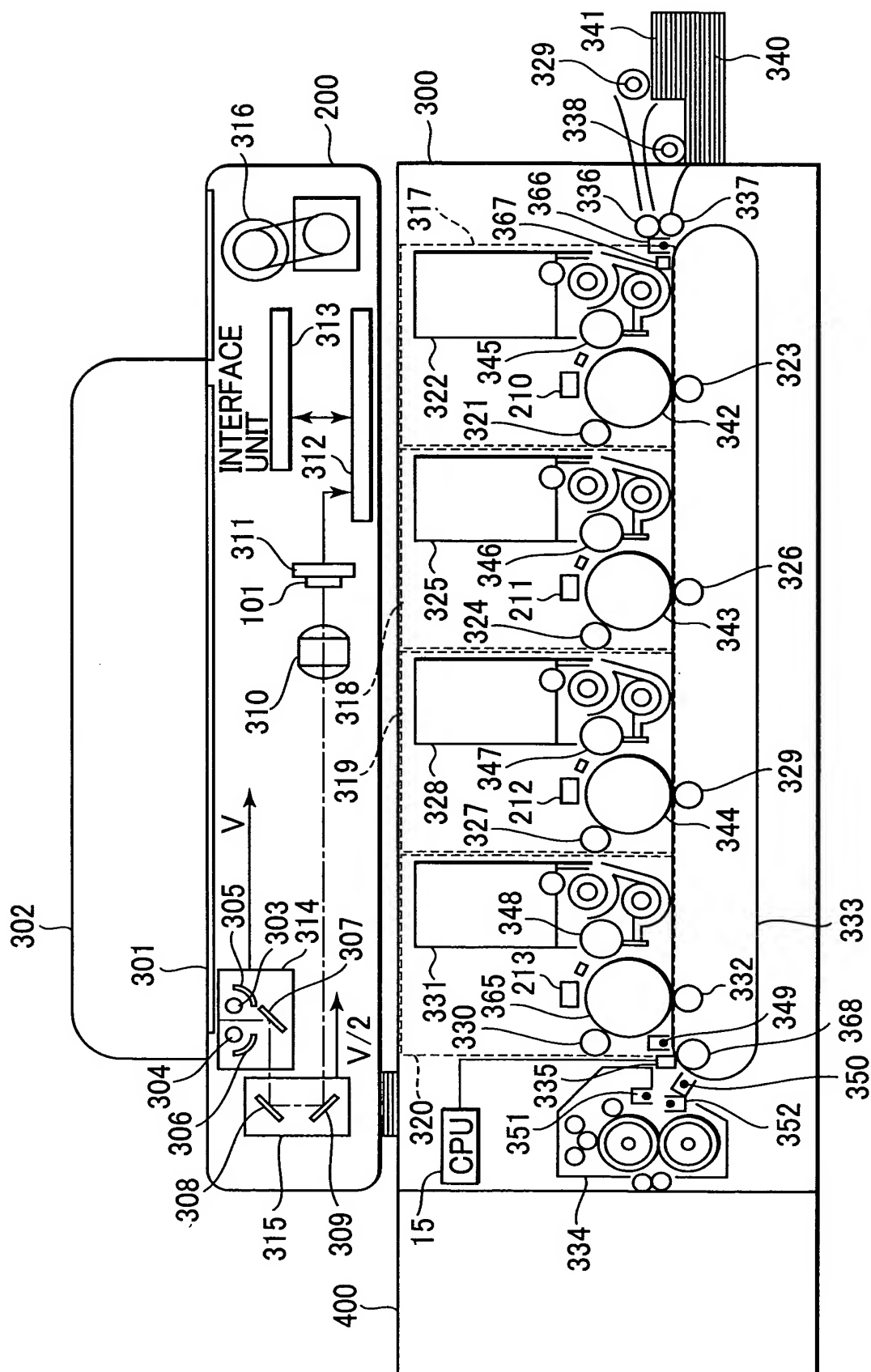


FIG. 2

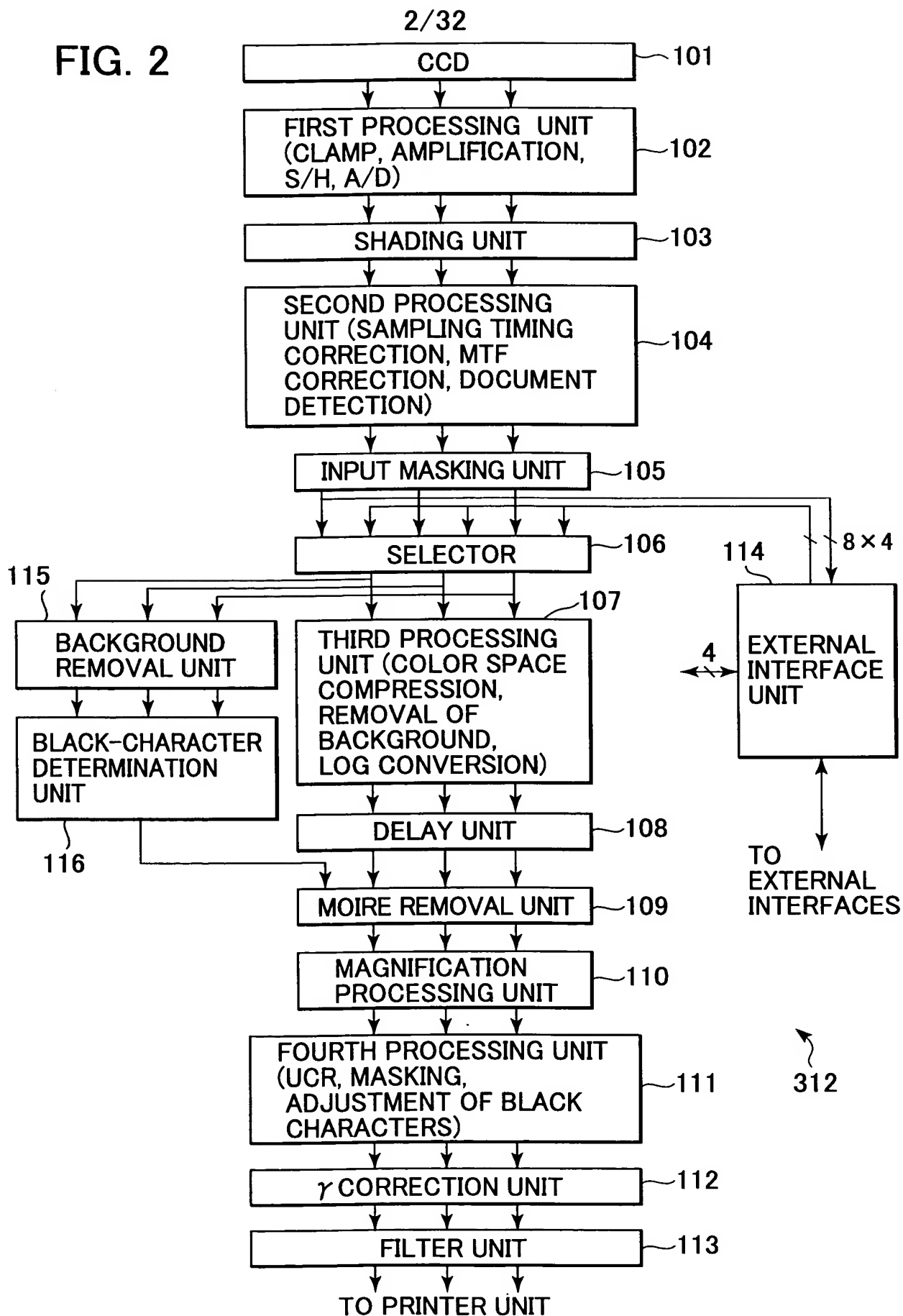


FIG. 3

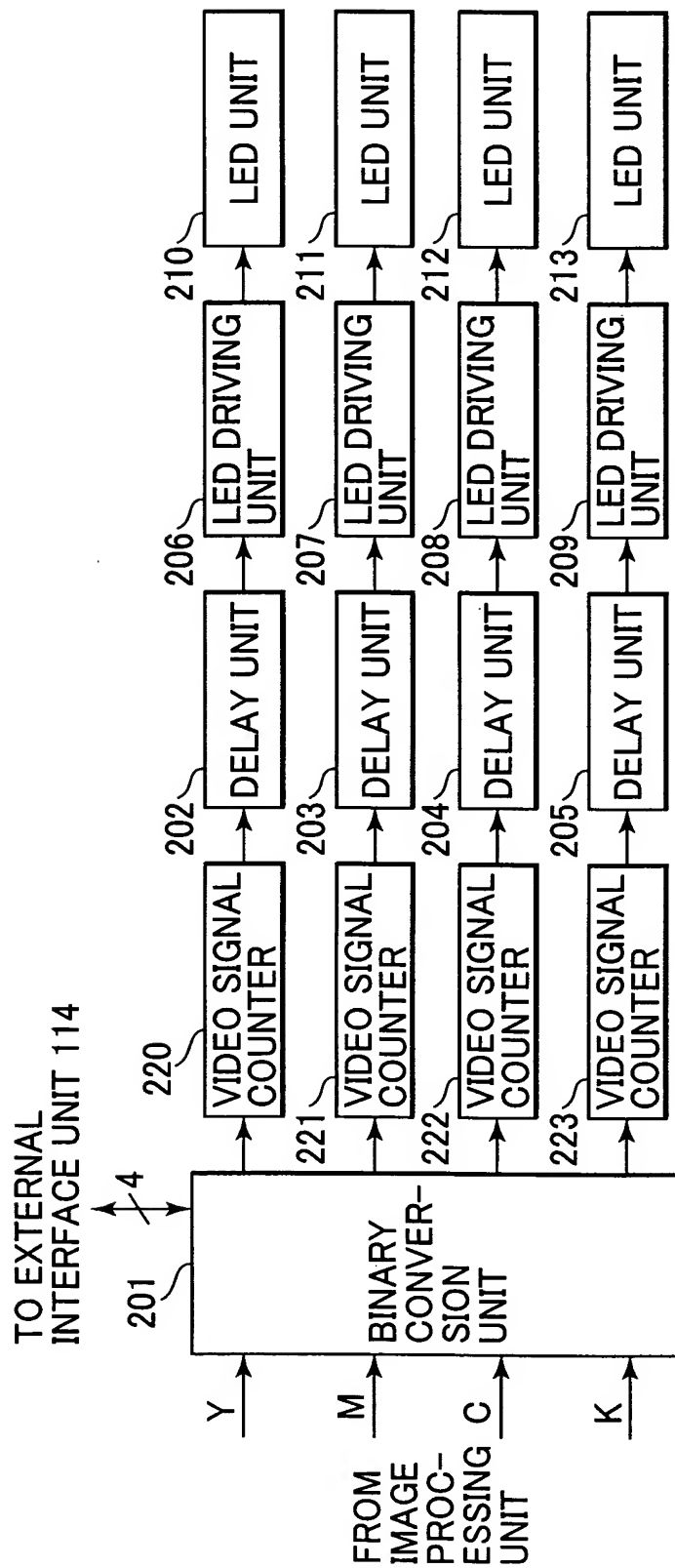


FIG. 4

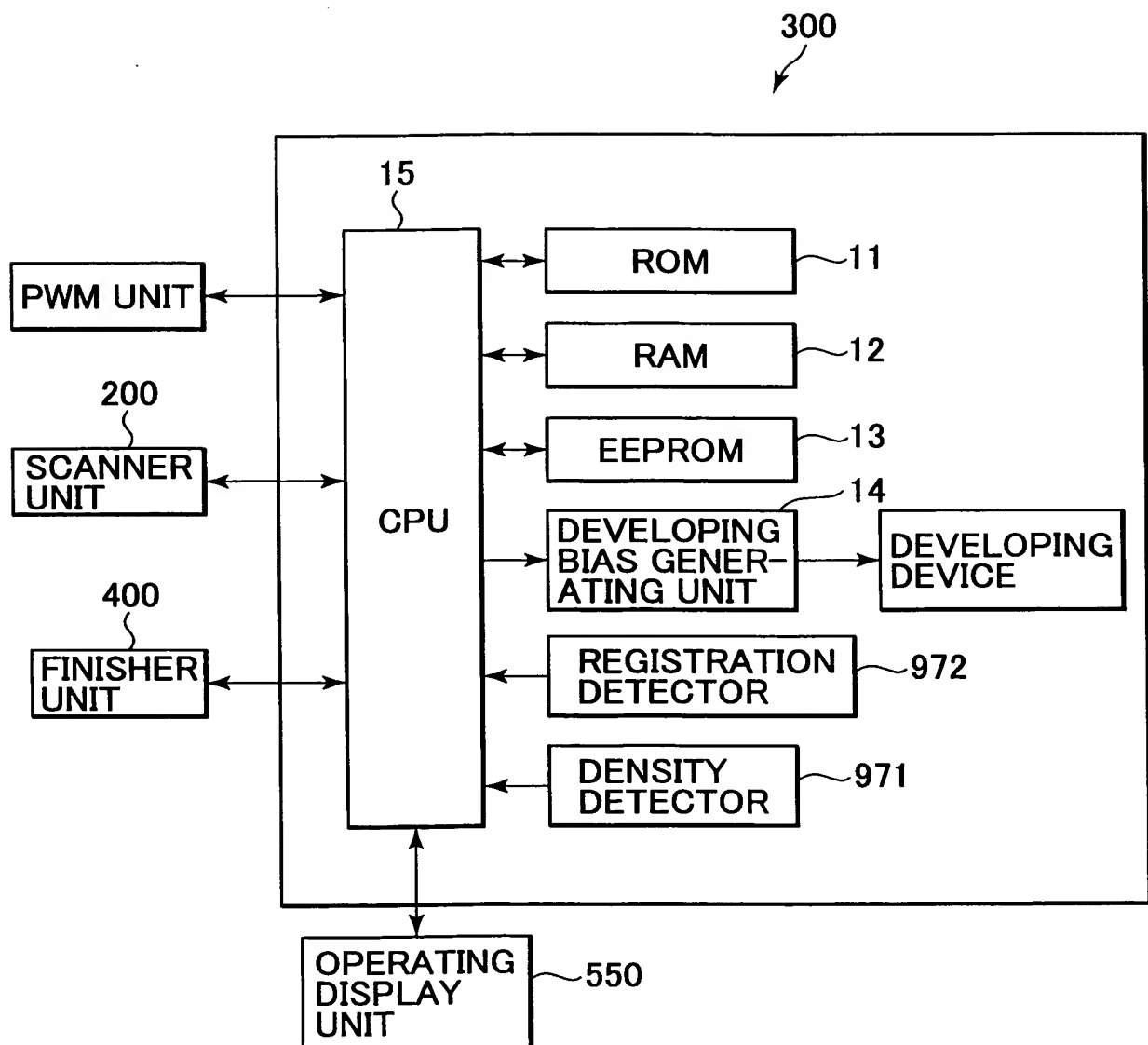


FIG. 5

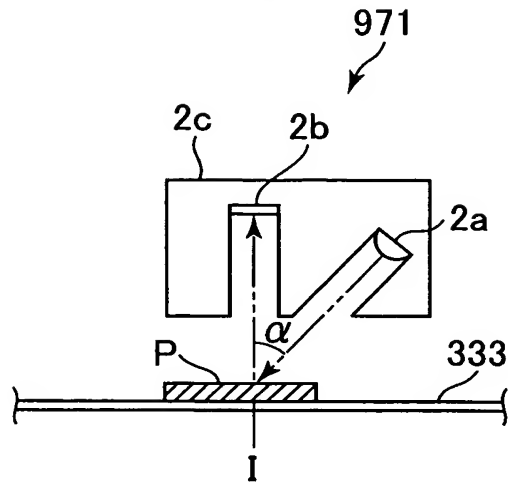


FIG. 6

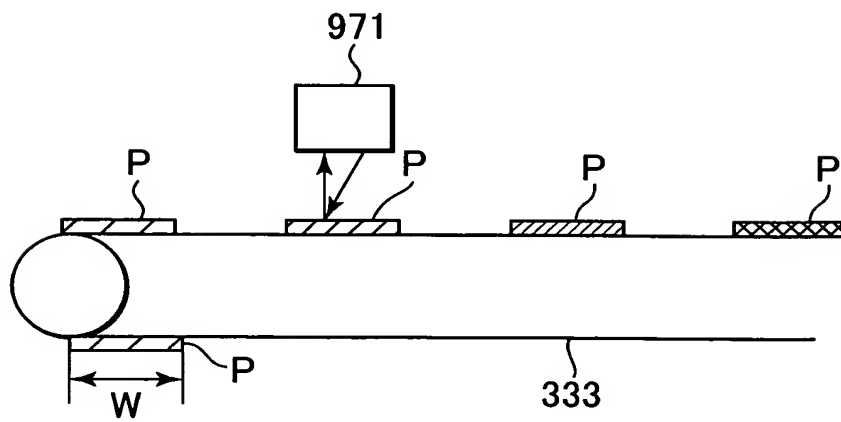


FIG. 7

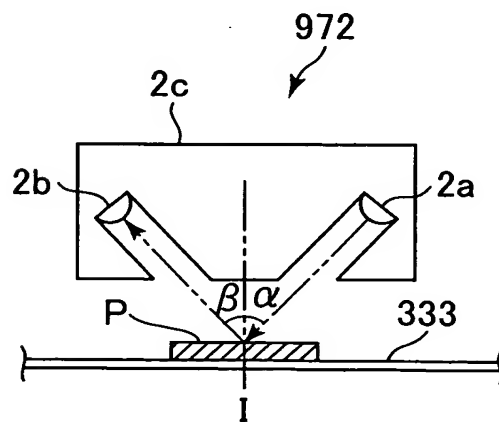


FIG. 8

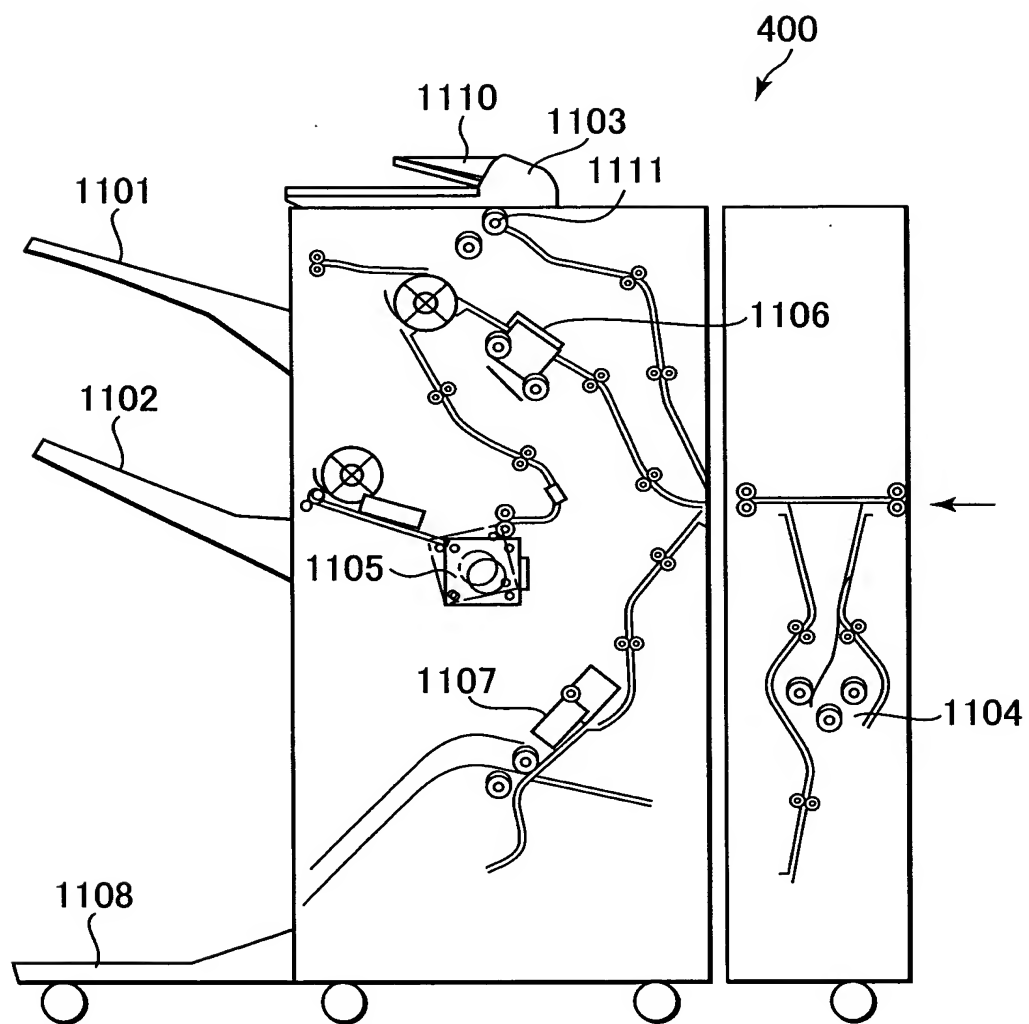


FIG. 9

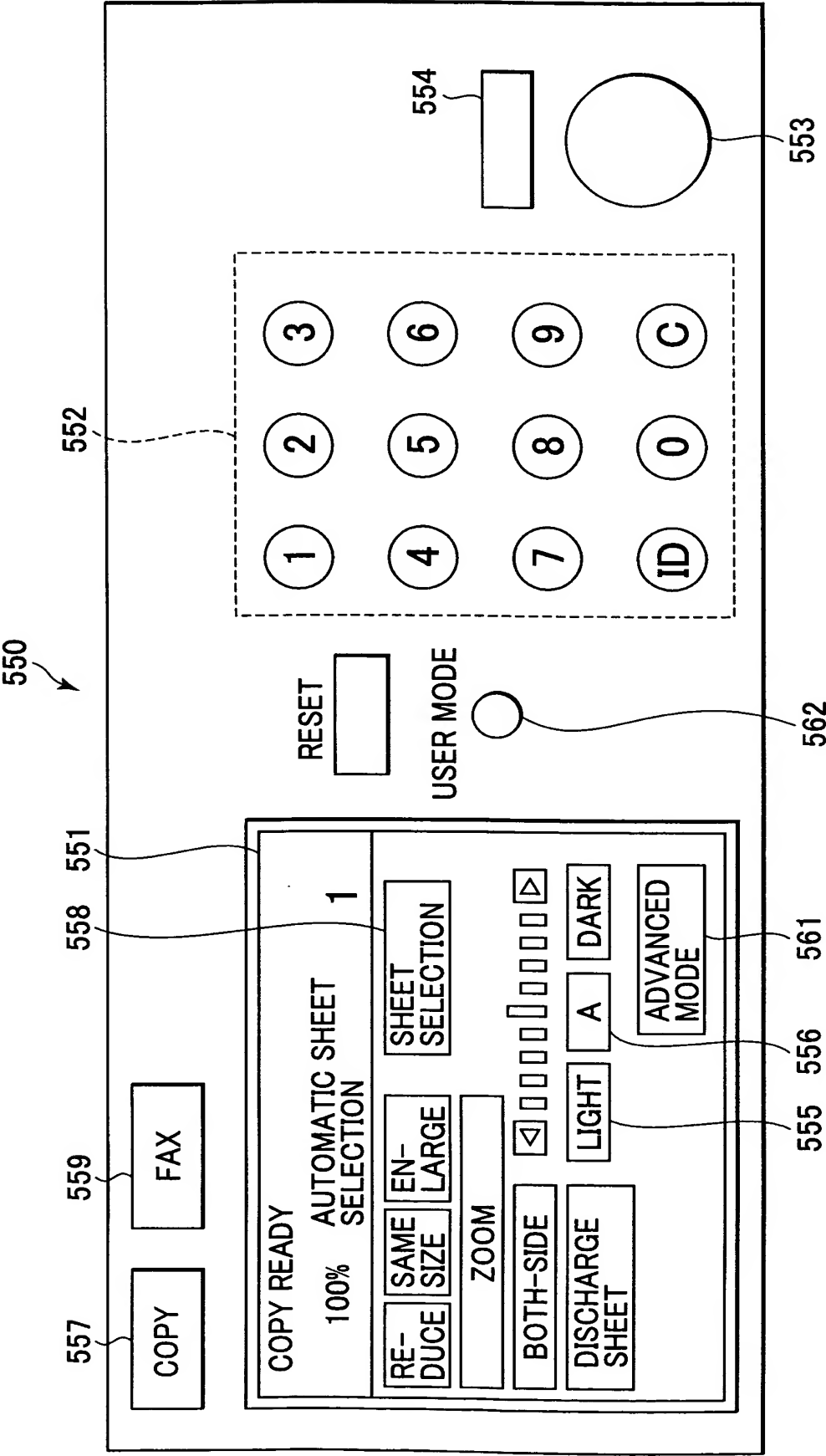


FIG. 10

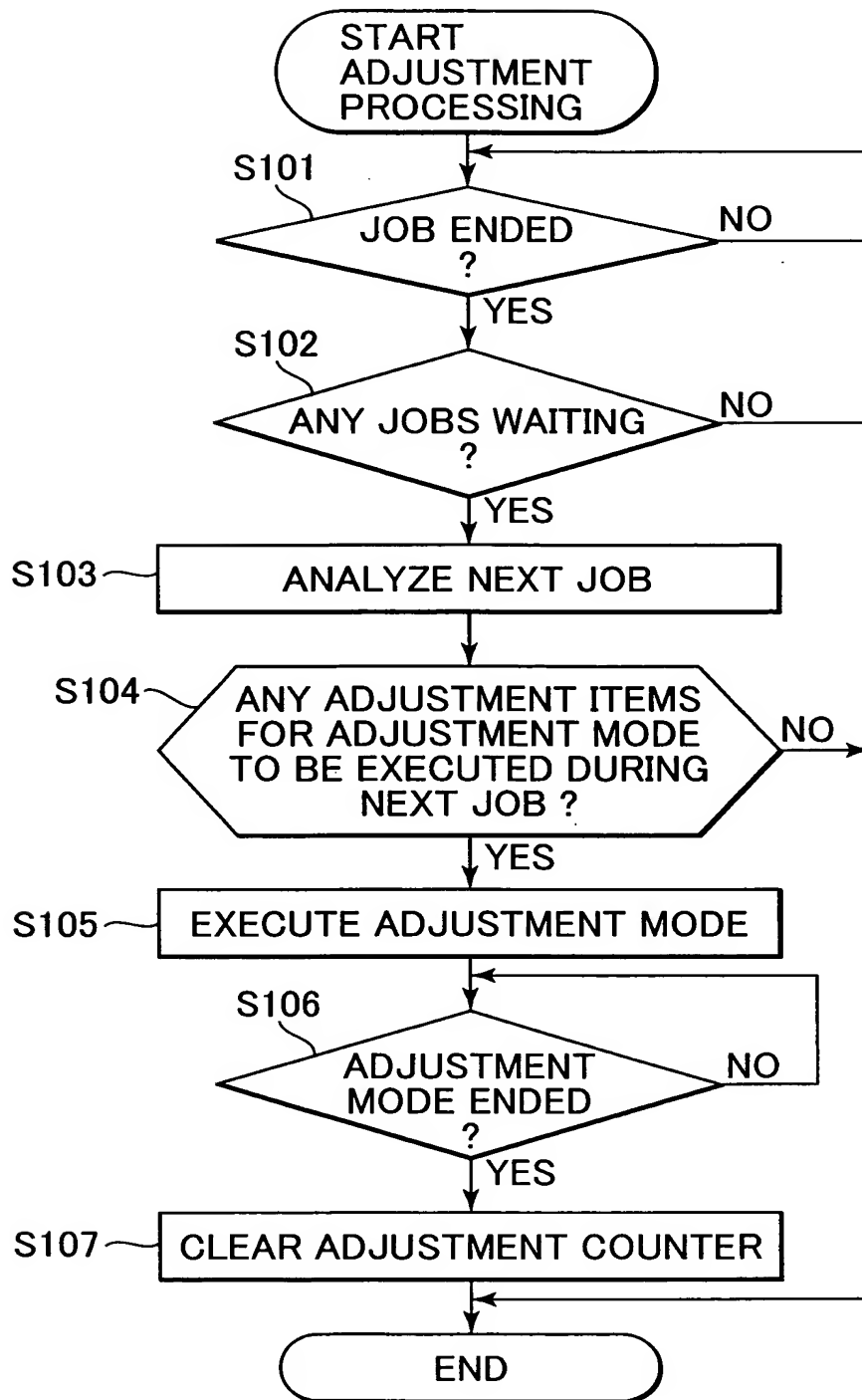


FIG. 11

JOBS WAITING	
JOB 1	EXECUTING
JOB 2	100 PAGES x 2 COPIES
JOB 3	10 PAGES x 50 COPIES

FIG. 12

ADJUSTMENT ITEM	THRESHOLD VALUE (X)	PRESENT COUNT (Y)	REMAINING NUMBER OF PAGES TO ADJUSTMENT (X - Y)	NUMBER OF PAGES OF NEXT JOB (Z)
DENSITY ADJUSTMENT	500	450	50	200
RESIST ADJUSTMENT	500	200	300	200

FIG. 13

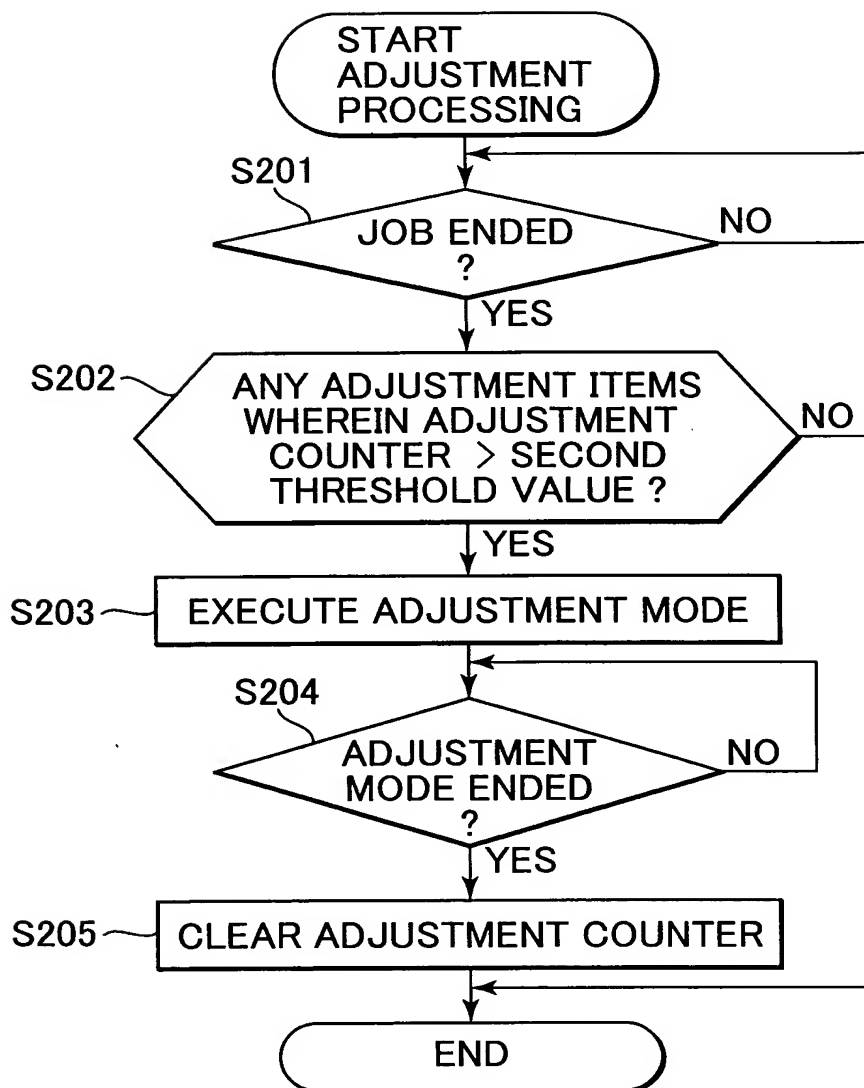


FIG. 14

ADJUSTMENT ITEM	THRESHOLD VALUE (X)	SECOND THRESHOLD VALUE (X2)	PRESENT COUNT VALUE (Y)
DENSITY ADJUSTMENT	500	450	460
REGISTRATION ADJUSTMENT	500	450	200

FIG. 15

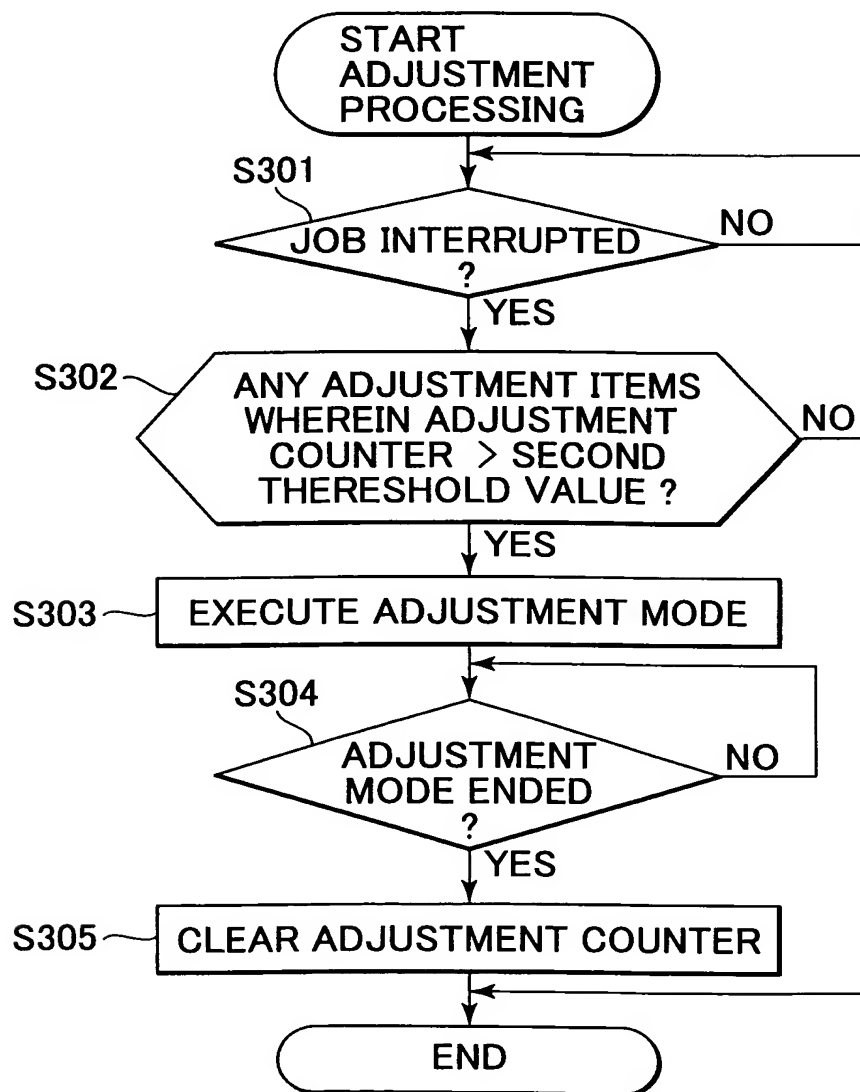


FIG. 16

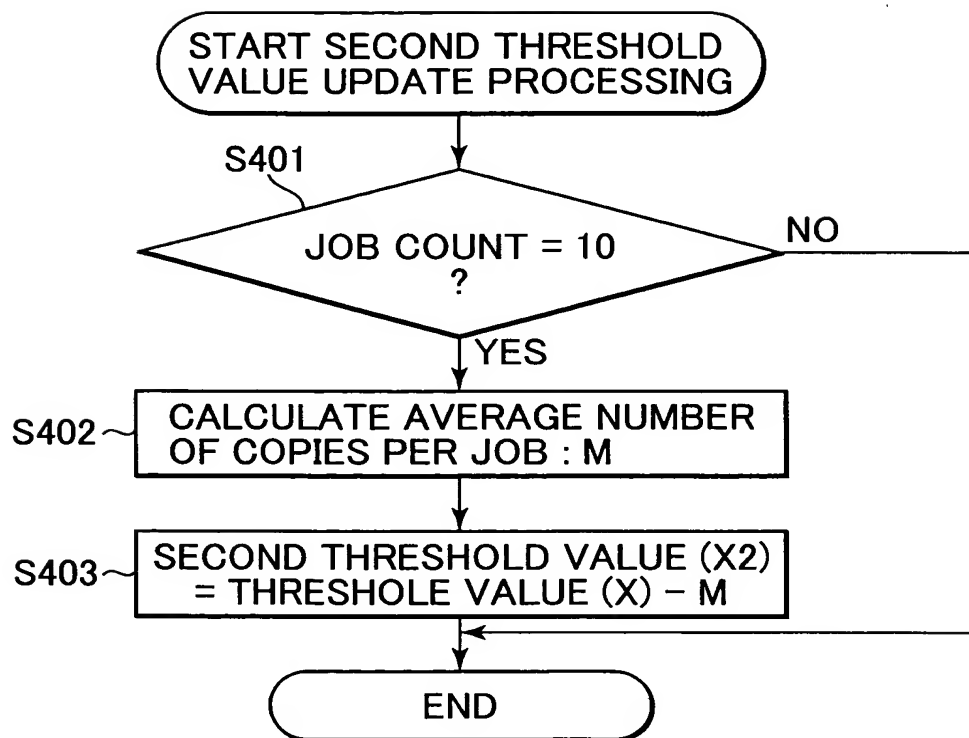


FIG. 17

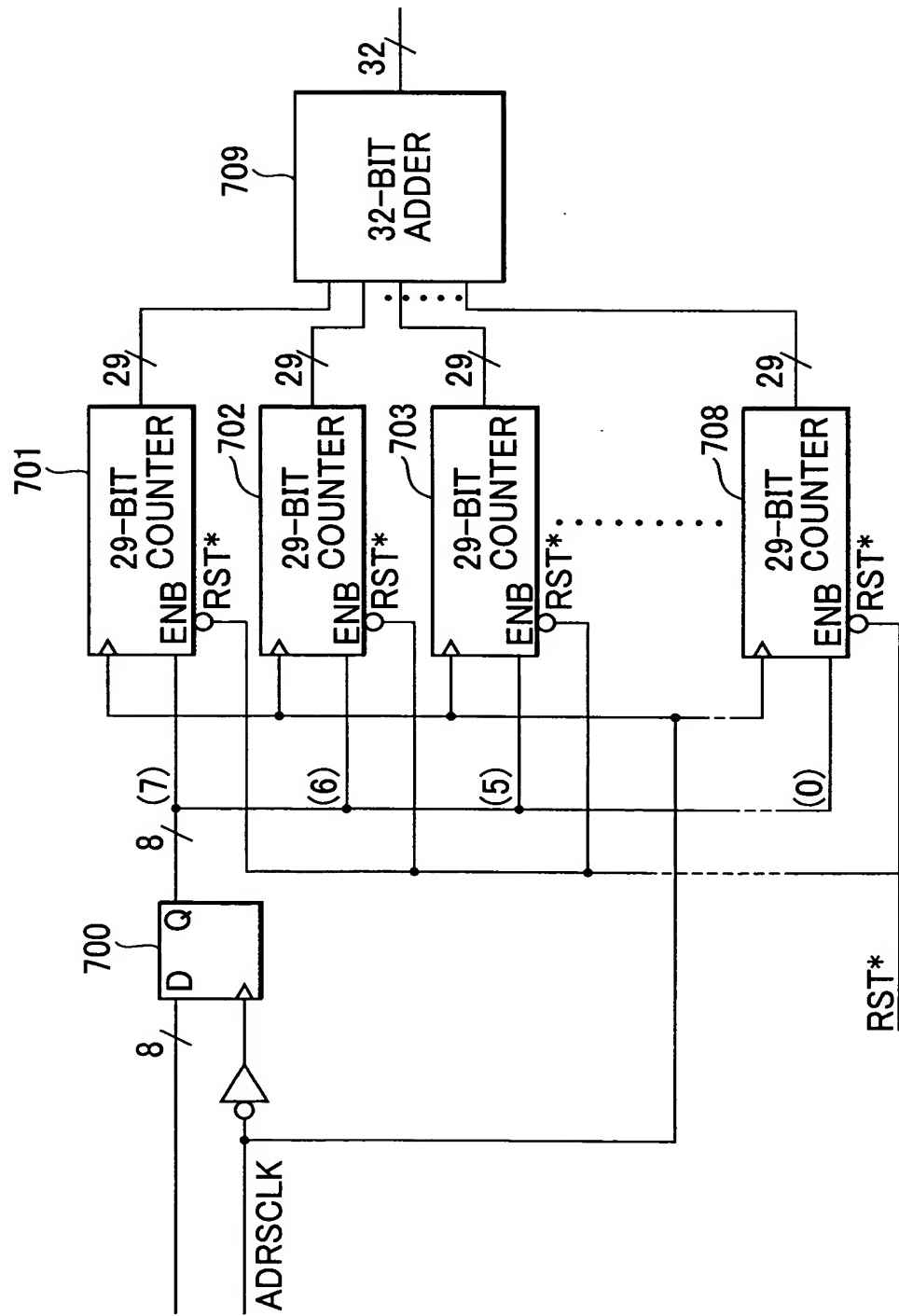


FIG. 18

	THRESHOLD VALUE (X)	SECOND THRESHOLD VALUE (X2)	
		$AV_{sum} \geq (1/2)V_{max}$	$AV_{sum} < (1/2)V_{max}$
DENSITY ADJUSTMENT	500	300	450
RESIST ADJUSTMENT	500	300	450

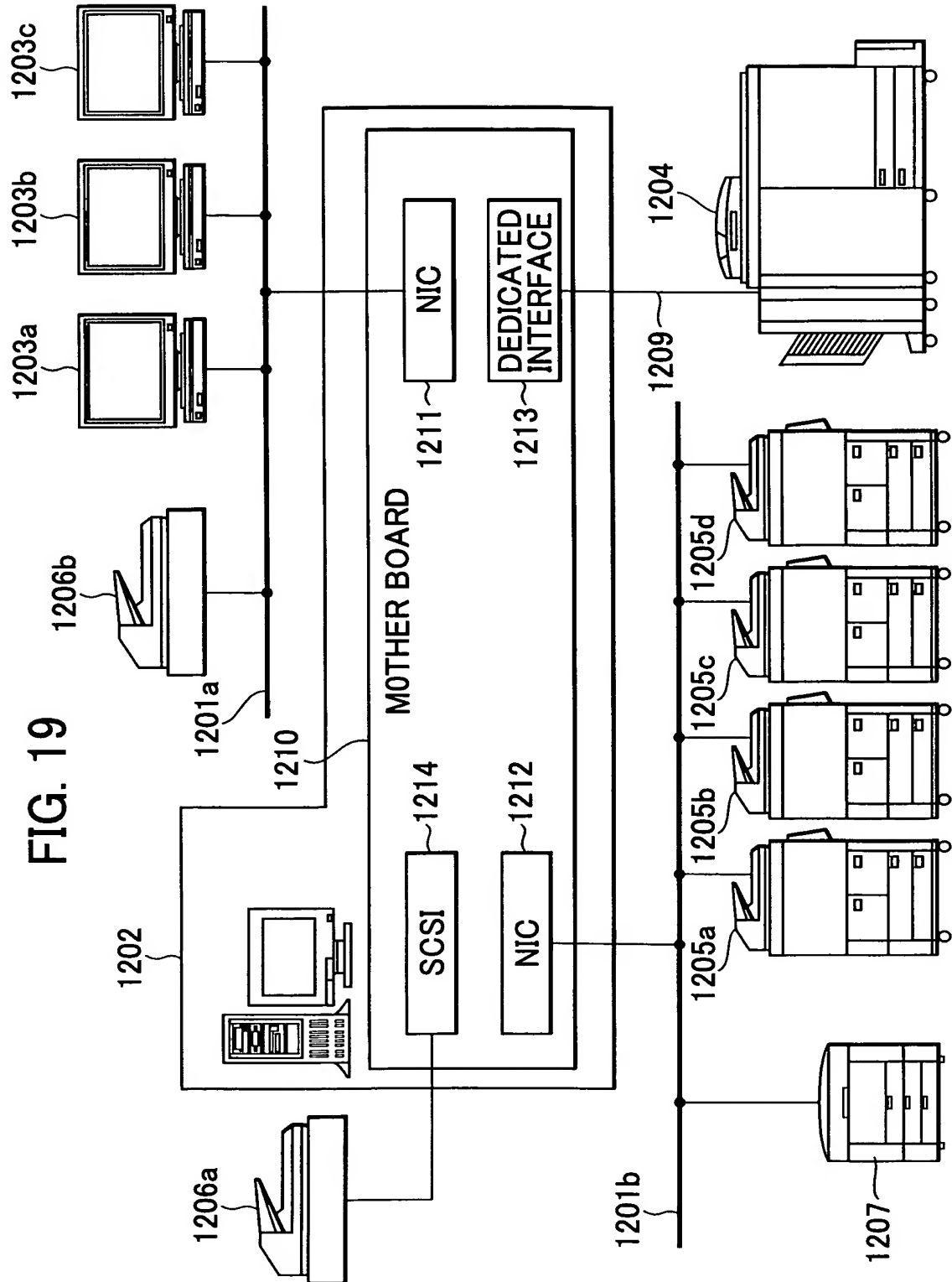


FIG. 20

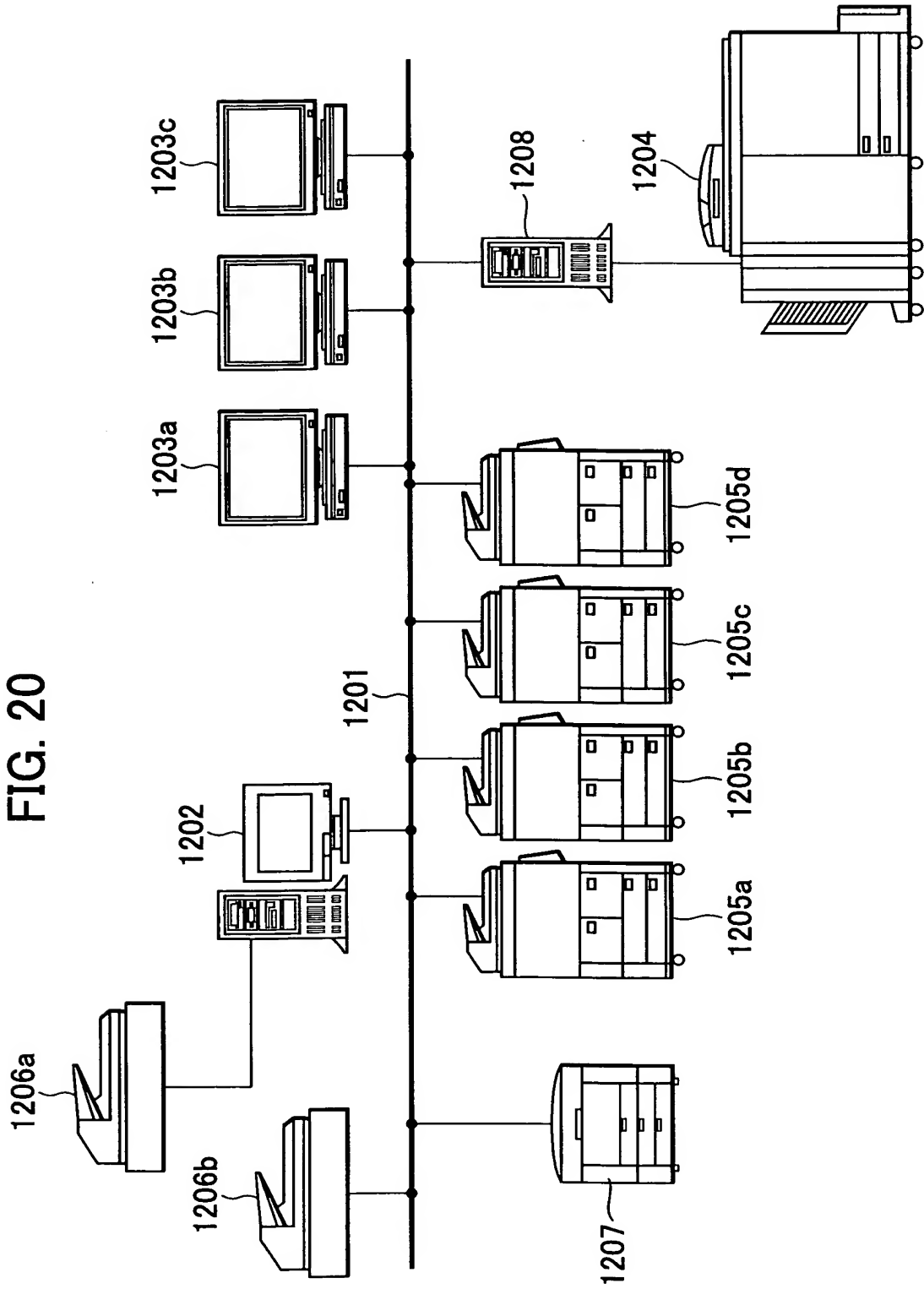


FIG. 21

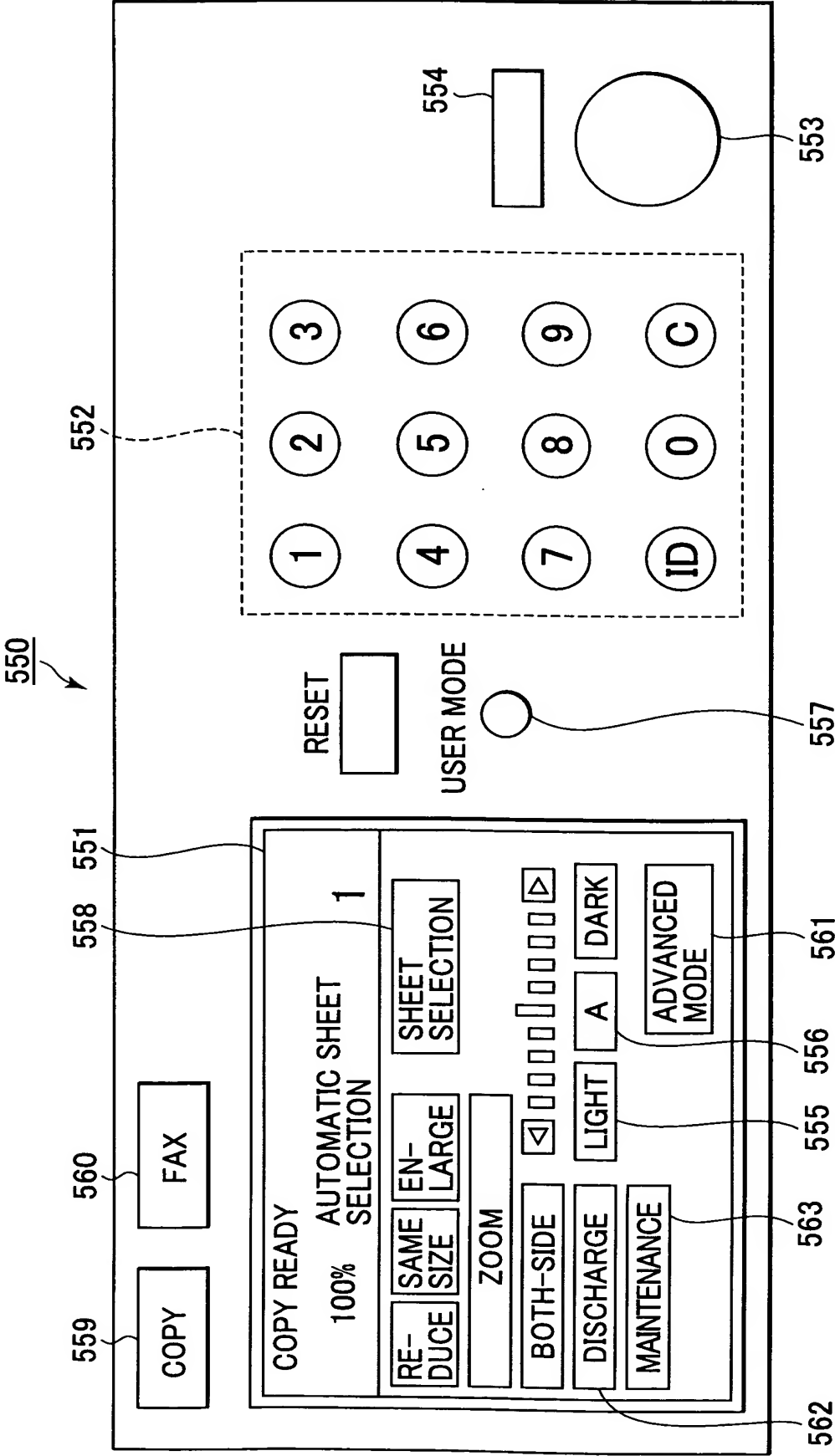


FIG. 22

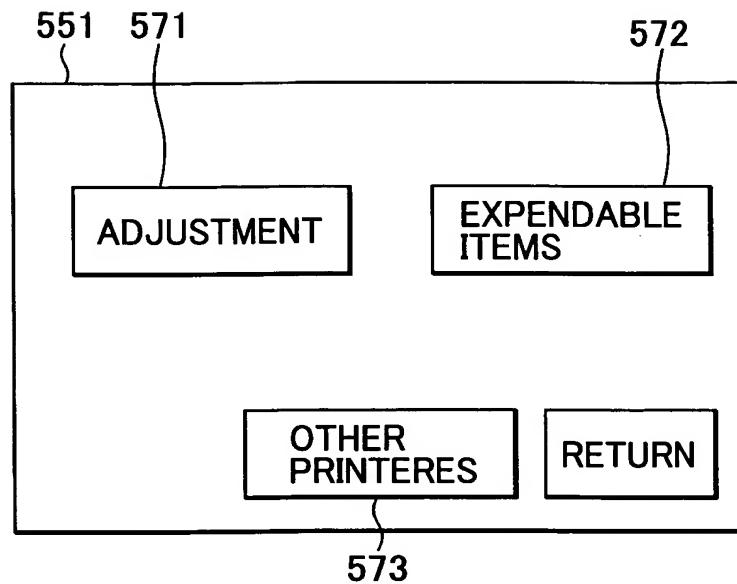


FIG. 23

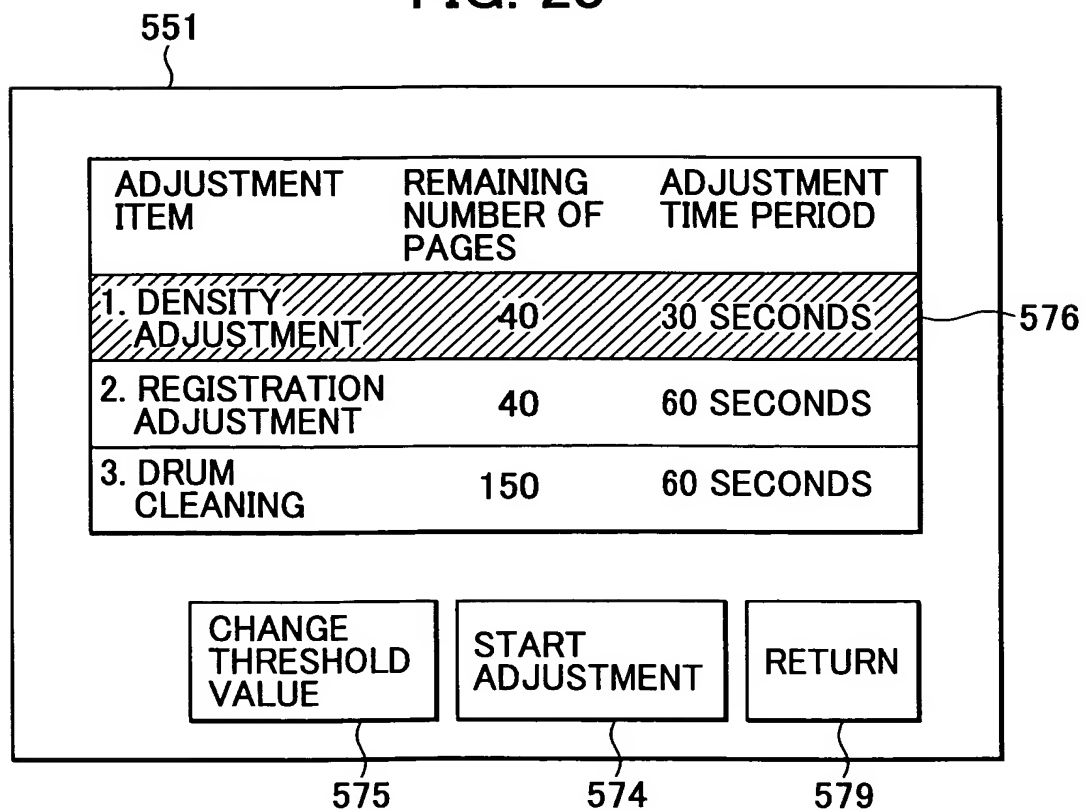


FIG. 24

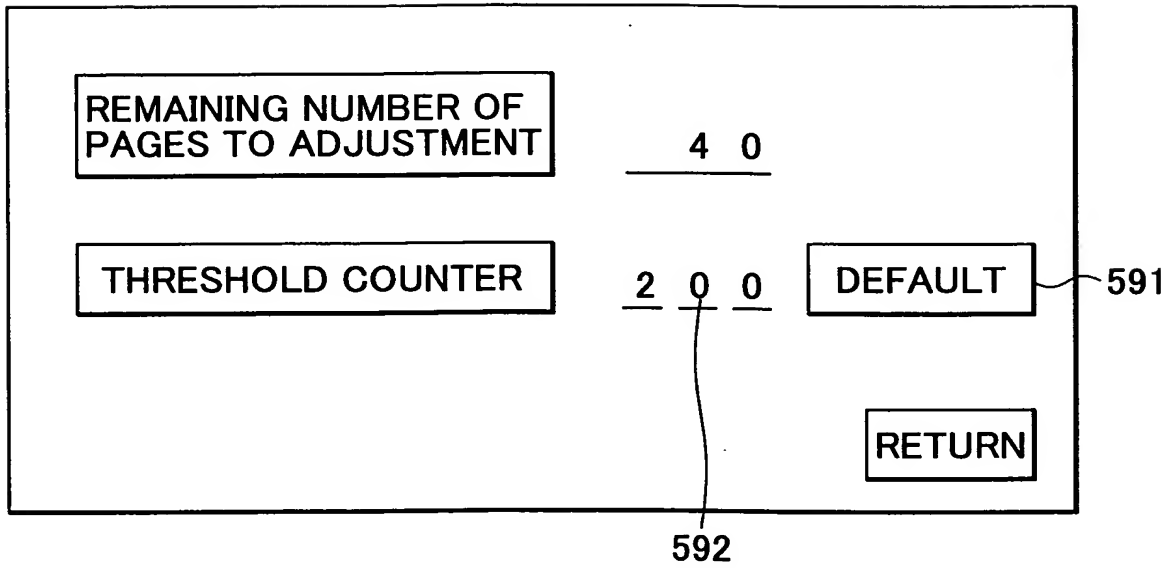


FIG. 25

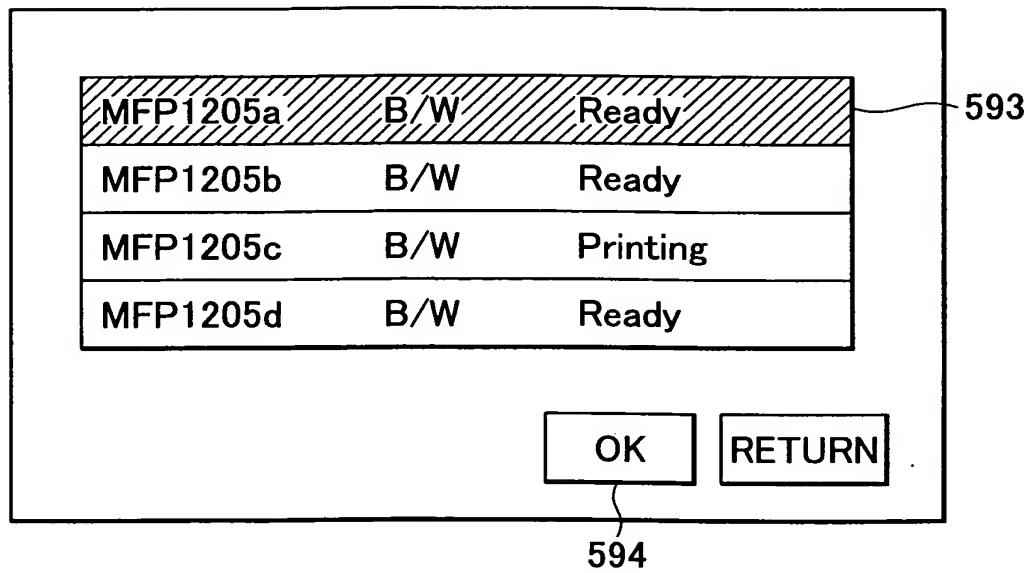


FIG. 26

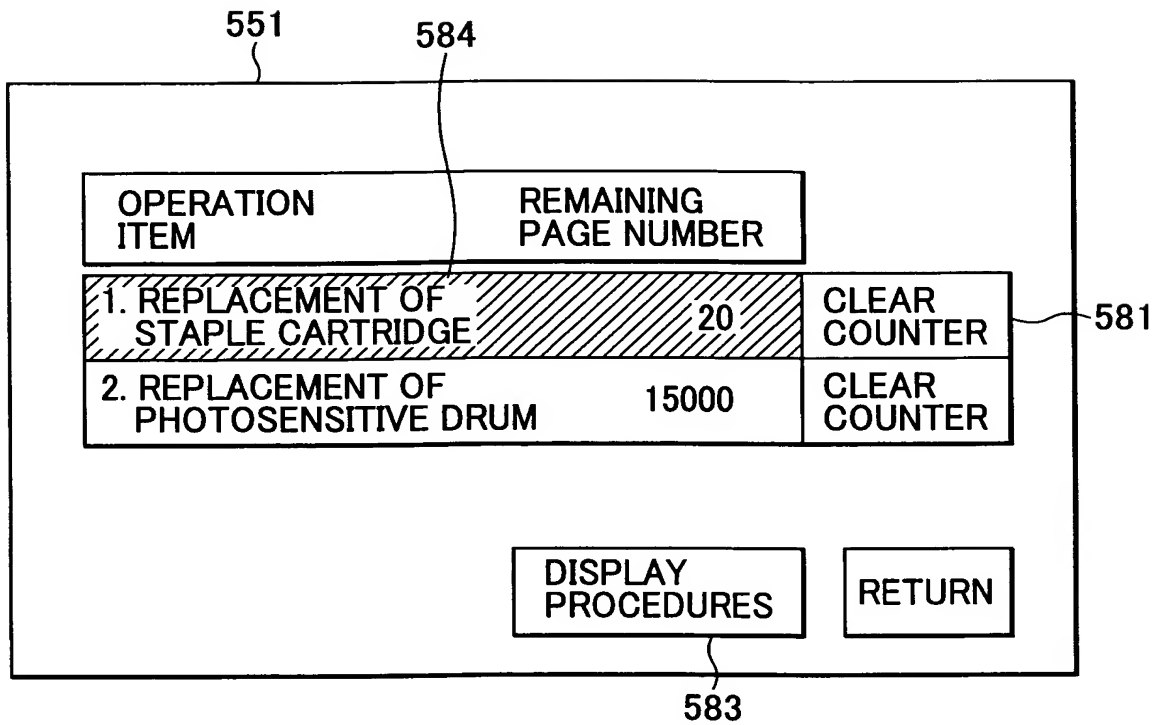


FIG. 27

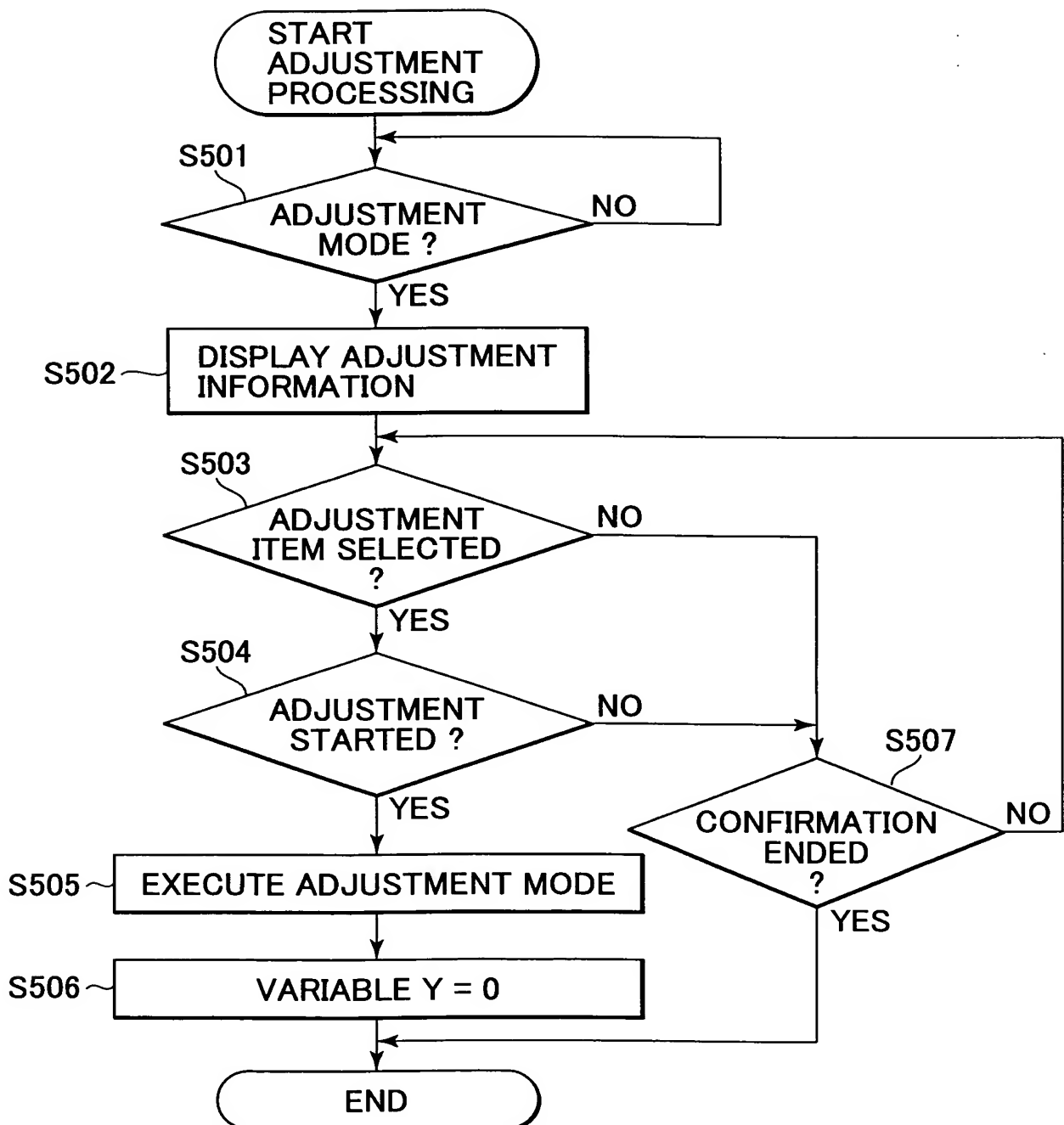


FIG. 28

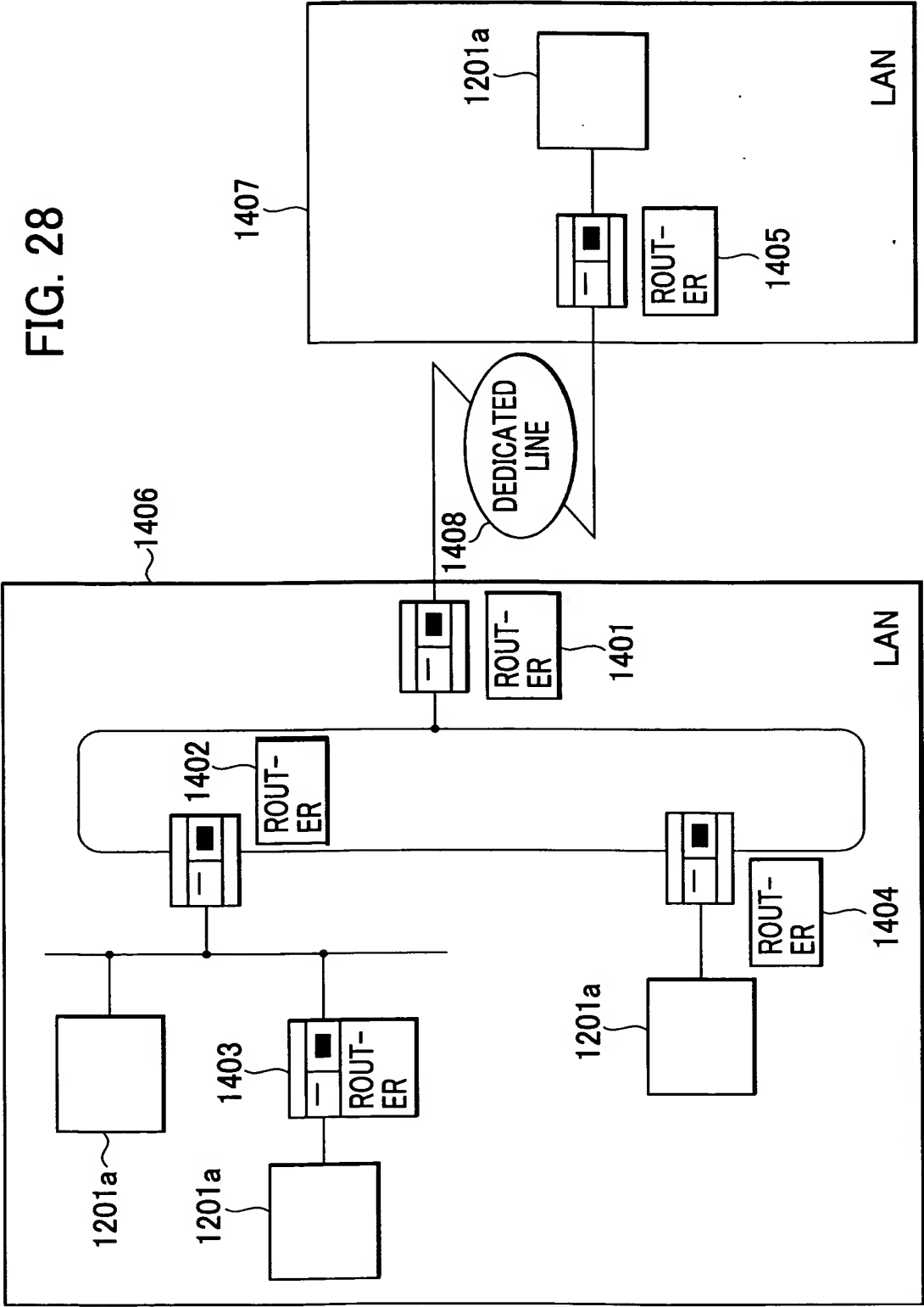


FIG. 29

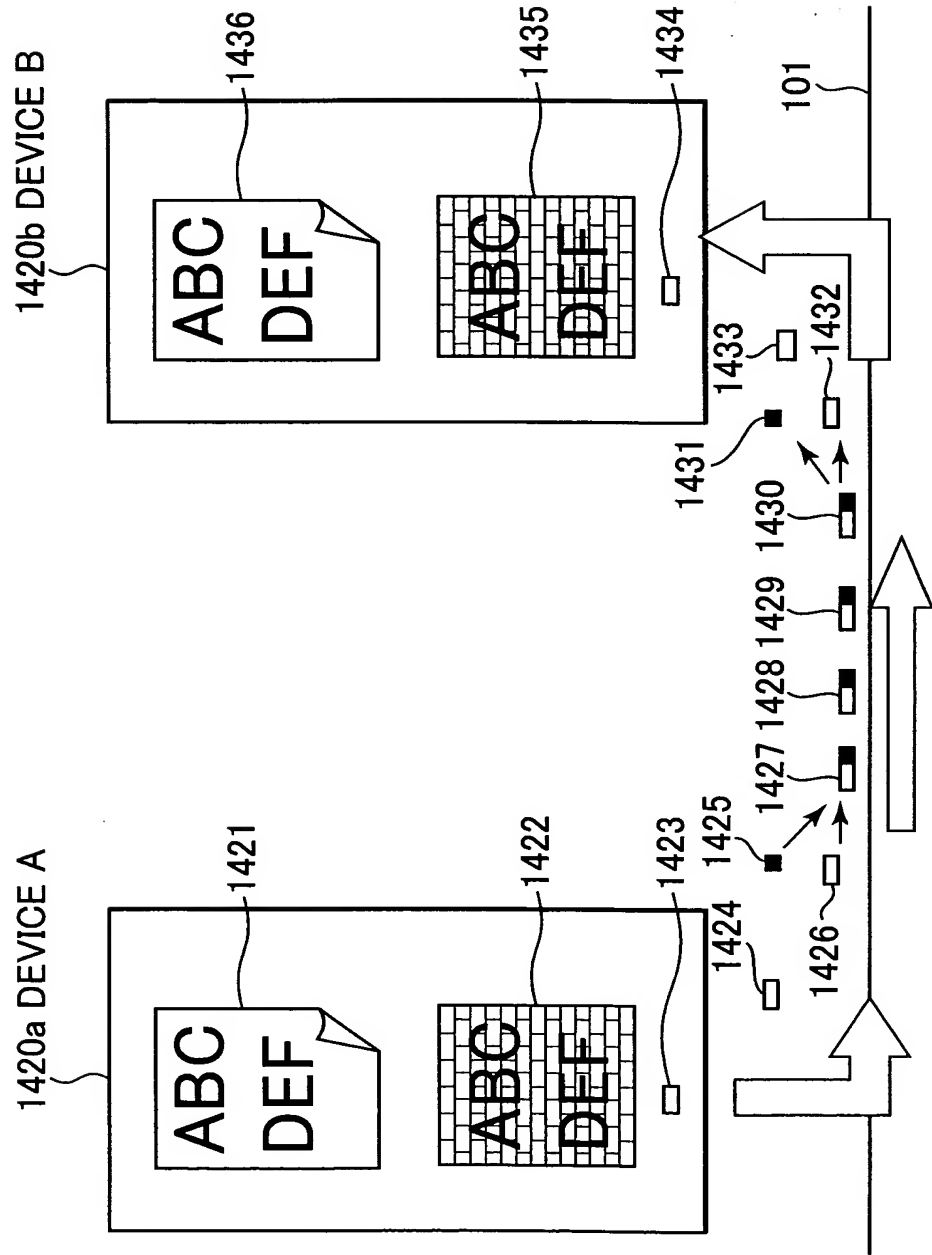
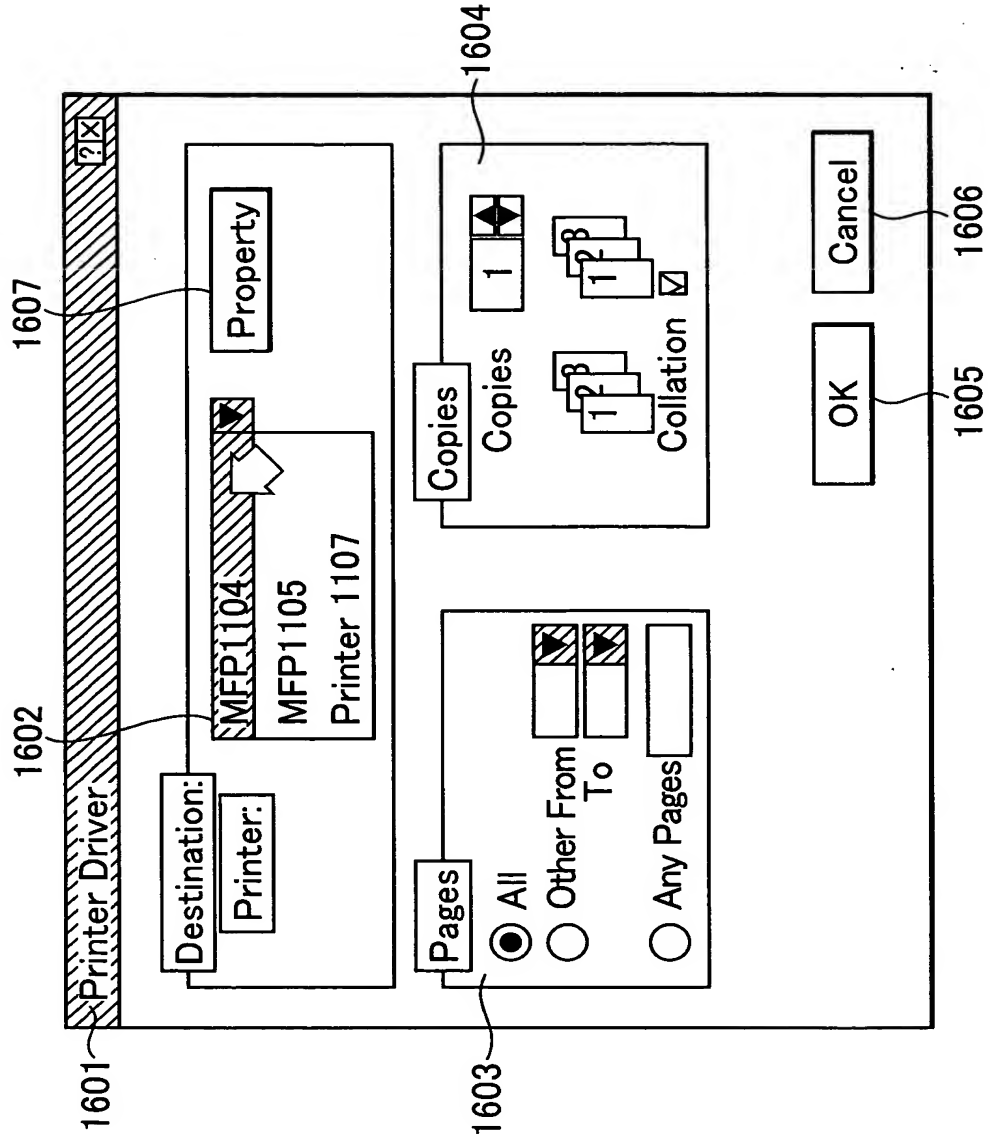


FIG. 30



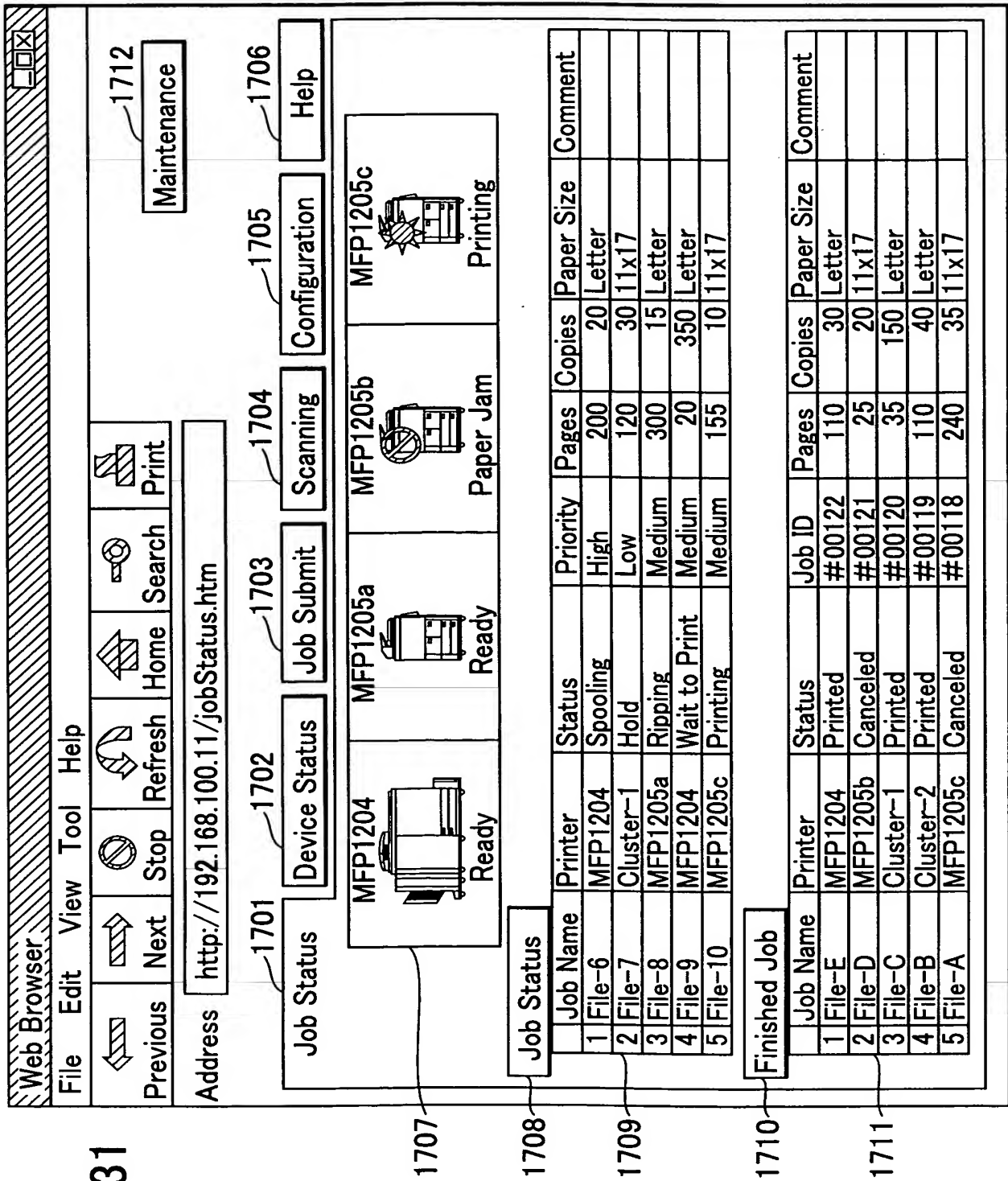


FIG. 32

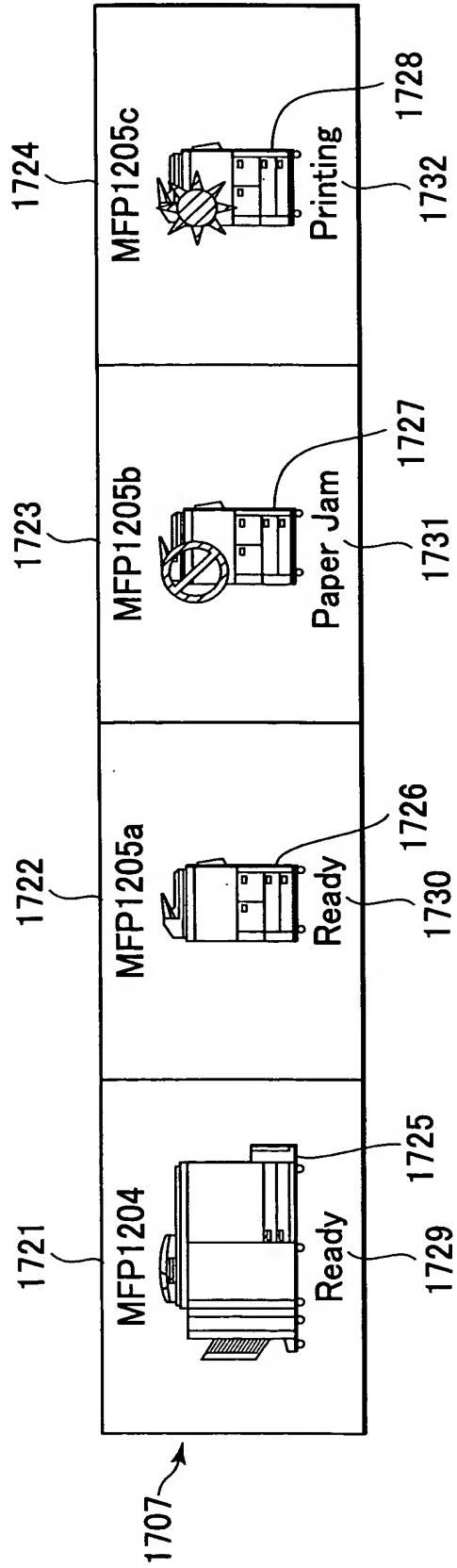


FIG. 33

1709 →

Job Status		1741	1742	1743	1744	1745	1746	1747	1748
	Job Name	Printer	Status	Priority	Pages	Copies	Paper Size	Comment	
1	File-6	MFP1204	Spooling	High	200	20	Letter		
2	File-7	Cluster-1	Hold	Low	120	30	11x17		
3	File-8	MFP1205a	Ripping	Medium	300	15	Letter		
4	File-9	MFP1204	Wait to Print	Medium	20	350	Letter		
5	File-10	MFP1205c	Printing	Medium	155	10	11x17		

1709 →

FIG. 34

1711 →

Finished Job		1761	1762	1763	1764	1765	1766	1767	1768
	Job Name	Printer	Status	Job ID	Pages	Copies	Paper Size	Comment	
1	File-E	MFP1204	Printed	#00122	110	30	Letter		
2	File-D	MFP1205b	Canceled	#00121	25	20	11x17		
3	File-C	Cluster-1	Printed	#00120	35	150	Letter		
4	File-B	Cluster-2	Printed	#00119	110	40	Letter		
5	File-A	MFP1205c	Canceled	#00118	240	35	11x17		

1711 →

FIG. 35

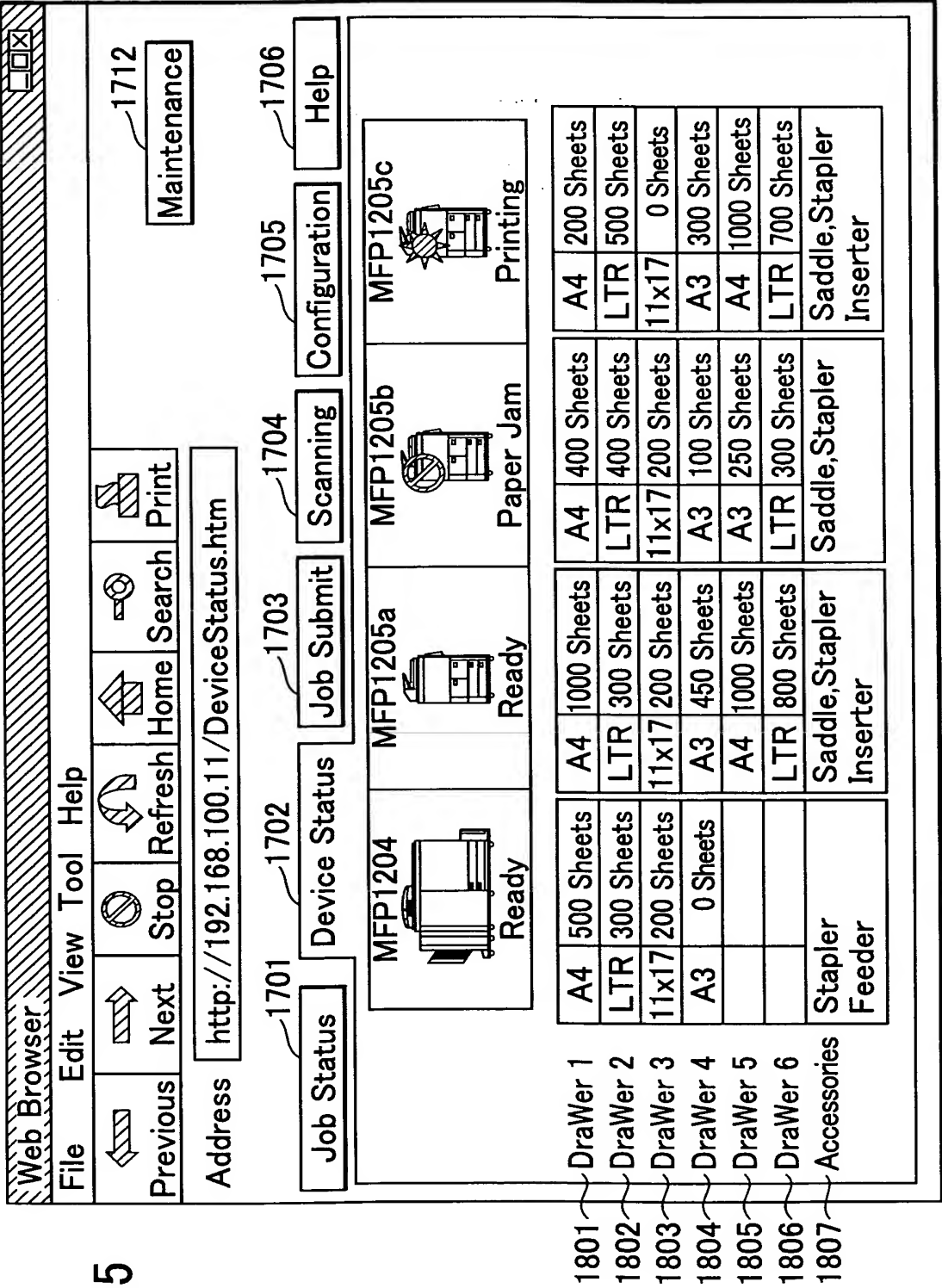


FIG. 36

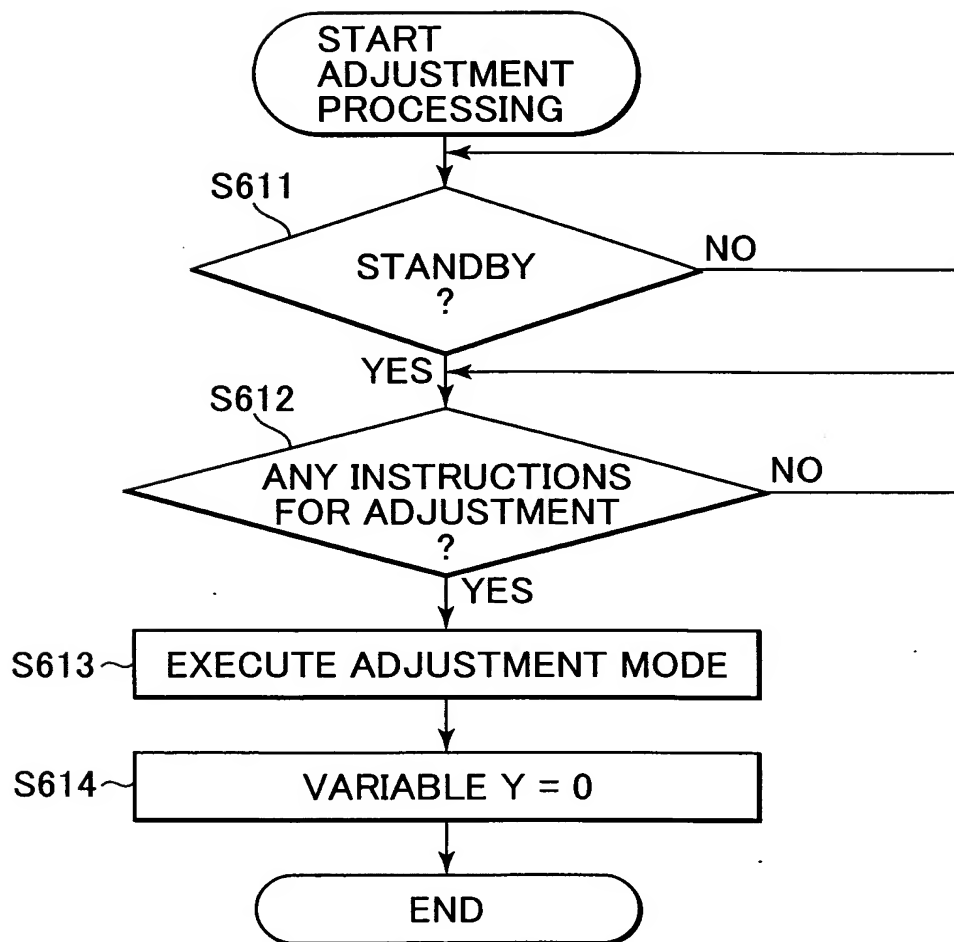


FIG. 37

MAINTENANCE LIST

ITEM	TYPE	REFERENCE	ESTIMATED TIME PERIOD
SUPPLY TONER	SUPPLY	SENSOR	1
SUPPLY SHEETS	SUPPLY	SENSOR	1
DOCUMENT ILLUMINATION LAMP	REPLACEMENT OF EXPENDABLES	COUNTER (TIME)	9
DOCUMENT CYLINDER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	21
DEVELOPING ROLLER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	21
CLEANER SEPARATION CLAW	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	15
CLEANING BLADE	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	15
PRIMARY CHARGER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	0.8
TRANSFER/SEPARATION CHARGER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	3.5
PRE-TRANSFER CHARGER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	1.5
OZONE FILTER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	1
PRIMARY CHARGING LINE CLEANER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	4
TRANSFER CHARGING LINE CLEANER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	4
SEPARATION CHARGING LINE CLEANER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	6
PRE-TRANSFER CHARGING LINE CLEANER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	3.5
PRE-TRANSFER CHARGER SCRAPER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	5.5
FIXING UPPER ROLLER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	10
FIXING LOWER ROLLER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	3
FIXING WEB	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	1
INSULATING BUSH	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	10
DISCHARGE UPPER SEPARATION CLAW	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	1
DISCHARGE LOWER SEPARATION CLAW	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	5

FIG. 38

FEEDING ROLLER (DECK, CASSETTE)	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	4
TRANSPORTING ROLLER (DECK, CASSETTE)	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	4
SEPARATION ROLLER (DECK, CASSETTE)	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	4
MULTI-FEEDING ROLLER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	4
MULTI-TRANSPORTING ROLLER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	4
MULTI-SEPARATION ROLLER	REPLACEMENT OF EXPENDABLES	COUNTER (COPIES)	4
DOCUMENT TABLE GLASS CLEANING	REGULAR CLEANING	COUNTER (COPIES)	1
MIRROR CLEANING	REGULAR CLEANING	COUNTER (COPIES)	2
DOCUMENT-ILLUMINATION REFLECTING PLATE CLEANING	REGULAR CLEANING	COUNTER (COPIES)	2
OPTICAL RAIL CLEANING & OILING	REGULAR CLEANING	COUNTER (COPIES)	
DUST-PROOF FILTER CLEANING	REGULAR CLEANING	COUNTER (COPIES)	5
OPTICAL WIRE CHECK & ADJUSTMENT	REGULAR CLEANING	COUNTER (COPIES)	7
DRUM HEATER SLIDER CLEANING & OILING	REGULAR CLEANING	COUNTER (COPIES)	
TRANSFER BELT CLEANING	REGULAR CLEANING	COUNTER (COPIES)	1
DUST-PROOF GLASS CLEANING	REGULAR CLEANING	COUNTER (COPIES)	1
DEVELOPING ROLLER CLEANING	REGULAR CLEANING	COUNTER (COPIES)	4.5
FIXING DEVICE ENTRANCE GUIDE CLEANING	REGULAR CLEANING	COUNTER (COPIES)	1
PHOTOSENSITIVE DRUM CLEANING	REGULAR CLEANING	COUNTER (COPIES)	
OZONE FILTER CLEANING	REGULAR CLEANING	COUNTER (COPIES)	4
CHARGED LINE CLEANING	REGULAR CLEANING	COUNTER (COPIES)	12
GRID LINE CLEANING	REGULAR CLEANING	COUNTER (COPIES)	3
CHARGING LINE CLEANING	REGULAR CLEANING	COUNTER (COPIES)	20
STANDARD WHILE PLATE CLEANING	REGULAR CLEANING	COUNTER (COPIES)	2

FIG. 39

RESIST ROLLER (UPPER/LOWER) CLEANING	REGULAR CLEANING	COUNTER (COPIES)	0.5
TRANSFER GUIDE/ ROLLER CLEANING	REGULAR CLEANING	COUNTER (COPIES)	1
TRANSPORTING ROLLERS CLEANING	REGULAR CLEANING	COUNTER (COPIES)	0.5
ROLLER ELECTRODE CLEANING	REGULAR CLEANING	COUNTER (COPIES)	0.5
PRE-TRANSFER CHARGER LED	REGULAR CLEANING	COUNTER (COPIES)	2
FIXING WEB CHECK	REGULAR CLEANING	COUNTER (COPIES)	1
FIXING OIL PAN CLEANING	REGULAR CLEANING	COUNTER (COPIES)	3
FIXING THERMISTOR CLEANING	REGULAR CLEANING	COUNTER (COPIES)	13.5
DISCHARGE SEPARATION CLAW (UPPER/LOWER) CLEANING	REGULAR CLEANING	COUNTER (COPIES)	6
WASTE TONER COLLECTION UNIT CHECK	REGULAR CLEANING	COUNTER (COPIES)	3
TONER SUPPLY OPENING CLEANING	REGULAR CLEANING	COUNTER (COPIES)	1
DEVELOPING CYLINDER CHECK	REGULAR CLEANING	COUNTER (COPIES)	4.5
CLEANER MAGNETIC ROLLER BEARING CLEANING	REGULAR CLEANING	COUNTER (COPIES)	8
CLEANER TONER PAN CLEANING	REGULAR CLEANING	COUNTER (COPIES)	8
BOTH-SIDE SIDE REGISTRATION SENSOR CHECK	REGULAR CLEANING	COUNTER (COPIES)	0.5